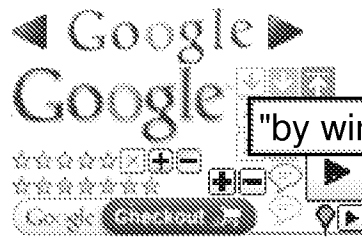


[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#) ▼

[Web History](#) | [Search settings](#) | [Sign in](#)



"by wire" simulation automobile electronic

Search

[Advanced Search](#)

Web

Results 1 - 10 of about 22,100 for "by wire" simulation automobile electronic. (0.14 seconds)

[Show options...](#)

1. [Mechanical **Simulation**: **Automotive** Industry](#)

Automotive Industry. By far, the main use of Mechanical **Simulation** products is in ... Vehicle parameters, advanced **electronic** chassis controls, ... New control strategies for drive-**by-wire** systems, can even be downloaded using the web. ...

www.carsim.com/applications/industry.php - [Cached](#)

2. [Performance evaluation of vehicle network protocols for X-**by-wire** ...](#)

by JH CHOI - 2005 - [Related articles](#) - [All 5 versions](#)

For evaluations, the **simulation** models were developed by using a discrete event **simulation** ... Motor car ; Transmission protocol ; **Automotive electronics** ; ...

cat.inist.fr/?aModele=afficheN&cpsidt=17554210

3. [Fault Diagnostics in Power **Electronics** Based Brake-**by-Wire** System.](#)

BRAKE-**BY-WIRE** EXPERIMENTAL AND **SIMULATION** STUDIES. In order to verify the brake-**by-wire** model motor and power **electronic** circuit behavior described in the ...

ieeexplore.ieee.org/iel5/10416/33078/01554615.pdf

4. [Development of the **electronic** control unit for the rack-actuating ...](#)

by TJ Park - 2005 - [Cited by 17](#) - [Related articles](#) - [All 4 versions](#)

Development of the **electronic** control unit for the rack-actuating steer-**by-wire** using the hardware-in-the-loop **simulation** system ...

linkinghub.elsevier.com/retrieve/pii/S0957415805000681 - [Similar](#)

5. [Brake-**by-wire** - Wikipedia, the free encyclopedia](#)

Brake-**by-wire** technology is still under development by some **automobile** and **automotive** ... The **electronic** control unit must always be informed of the driver's intentions to Lee, Y., Lee, W.S., Hardware-in-the-loop **simulation** for ...

en.wikipedia.org/wiki/Brake-by-wire - [Cached](#) - [Similar](#)

6. [SIMPLIFIED PORTABLE IN-THE-VEHICLE ROAD **SIMULATOR** - Patent application](#)

The portable **simulation** system is a computer-based driving **simulator**, which uses an actual drive-**by-wire** vehicle as an input device, and a portable display ...

www.iaqs.org/patents/app/20090011389 - [Cached](#)

7. [The Design of a Controller for the Steer-**by-Wire** System](#)

by SW OH - 2004 - [Cited by 8](#) - [Related articles](#)

and Han, C.-S., **Electronic** Control Unit for the. Steer-**by-Wire** System Using a Hardware-in-the-Loop-**Simulation** System, FISITA 2002 World **Automotive** ...

joi.jlc.jst.go.jp/JST.JSTAGE/jsmec/47.896?from=Google - [Similar](#)

8. [A study on the brake-**by-wire** system using hardware-in-the-loop ...](#)

by K Park - 2004 - [Cited by 6](#) - [Related articles](#)

A study on the brake-**by-wire** system using hardware-in-the-loop **simulation**. Kihong Park* and Seung-Jin Heo. Graduate School of **Automotive** Engineering, ...

inderscience.metapress.com/index/BJJW4QAAAUEKVTXR.pdf

9. [X-**By-Wire Automotive** Systems - SAE BOOKSTORE](#)

by RK Jurgen - [Cited by 1](#) - [Related articles](#)

Now retired, he is the editor of the **Automotive Electronics** Handbook and the Digital Consumer ... X-**By-Wire Automotive** Systems. ISBN: 978-0-7680-2100-4 ...

books.sae.org/book-pt-140 - [Cached](#) - [Similar](#)

10. [Model Based Controller Design for **Automotive Electronic** Throttle](#)

by R Grepl

pedal and throttle is replaced by "drive-**by wire**" solution – pedal sensor and rotary ... Schema and photograph of **automotive electronic** throttle. Fig. 2. Overview of Real-Time **simulation**/computation techniques in the context of model ...

www.springerlink.com/index/G668746QH51T8236.pdf

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

"by wire" simulation automobile electronic

Search

[Search within results](#) - [Language Tools](#) - [Search Help](#) - [Dissatisfied? Help us improve](#) - [Try Google Experimental](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [Privacy](#) - [About Google](#)

Google scholar

design automobile electrical wire routing input c

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)

Scholar

Articles and patents

- 2002

include citations

Results 1 - 10 of about 4,870. (0.14 sec)

Route packets, not **wires**: On-chip interconnection networks[psu.edu](#) [PDF]

WJ Dally, B Towles - Proceedings of the 38th Design ..., 1990 - doi.ieeecomputersociety.org

... distances across the chip. These **wires** are typically laid out by an **auto-router** late in the **design**. The continued viability of this methodology is challenged by several difficult **electrical** problems. First, unstructured **wires** have ...

[Cited by 1393](#) - [Related articles](#) - [All 54 versions](#)An exact zero-skew clock **routing** algorithm[utexas.edu](#) [PDF]

RS Tsay - ... on Computer-Aided Design of Integrated Circuits ..., 1993 - nthur.lib.nthu.edu.tw

... Many heuristics for clock **routing** have been proposed in the past. H-tree structures [1], [4], [10], [7] are the most widely used, especially in systolic array **designs**. A ... 1 Page 4. TSAY: EXACT ZERO SKEW CLOCK **ROUTING** ALGORITHM +,a C,d2+ i...+% i - - - " - ... 245 **wire** 1 p ...

[Cited by 281](#) - [Related articles](#) - [BL Direct](#) - [All 9 versions](#)Integrated **electric design** system with automatic constraint satisfaction

SM Rubin - US Patent 5,050,091, 1991 - Google Patents

... 5 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS Introduction The invention provides an **electrical** circuit **auto-** 10 mated **design** system which integrates any desired number of analysis and synthesis tools with multiple and mixed technologies. ...

[Cited by 69](#) - [Related articles](#) - [All 5 versions](#)FPGA **routing** architecture: segmentation and buffering to optimize speed and ...[psu.edu](#) [PDF]

V Betz, J Rose - Proceedings of the 1999 ACM/SIGDA seventh ..., 1999 - portal.acm.org

... Vaughn Betz and Jonathan Rose Department of **Electrical** and Computer Engineering, University of Toronto ... **Routing** architecture **design** is very challenging because the best value for each of the ... of **routing** switches is dependent on the length of the FPGA's **routing wire** segments ...

[Cited by 97](#) - [Related articles](#) - [All 12 versions](#)[PDF] Automated **design** tool execution in the Ulysses **design** environment[rutgers.edu](#) [PDF]

M Bushnell, SW Director - ... on Computer-Aided Design, 1989 - caip.rutgers.edu

... integration of CAD tools into what may be viewed as a **design auto-** mation system. ... M. Bushnell

is with CAIP Research Center, Department of **Electrical** and Computer Engineering, Rutgers ... for handling some problems that prevent knowledge sources from satisfying **design** goals ...

[Cited by 35](#) - [Related articles](#) - [All 5 versions](#)

The complexity of **design** automation problems

[psu.edu](#) [PDF]

S Sahni, A Bhati - Proceedings of the 17th conference on **Design** ..., 1980 - portal.acm.org
... (2) Number of **electrical** connections between subassem- blies [LWL62],[HABA68]. (3) Maximum delay through the circuit [LEWL69]. ... No two **wires** may intersect. ... as a result of this, this paper will be concerned mainly with the worst case complexity of **design** auto- mation problems. ...

[Cited by 74](#) - [Related articles](#) - [All 11 versions](#)

[PDF] An expert system architecture to detect system-level **automotive** EMC ...

[mst.edu](#) [PDF]

..., DG Beetner, R Wiese, TH Hubing - 2002 IEEE ..., 2002 - scholarsmine.mst.edu
... this file to best fit his experience, so the expert system may evolve with the **automotive design** process ... The raw **design** data in the local database, the module library, and EMC personality file is ... The algorithm will then assign **electrical** characteristics to each of these nets or circuits ...

[Cited by 14](#) - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)

Load current management system for **automotive** vehicles

WM Floyd, DL Juzwik - US Patent 4,639,609, 1987 - Google Patents
... for recognizing such intervals of ex- the ergonomic aspects of the input switch **design** as well ... 65 required, importance to operation of vehicle, and ex- to provide an **electrical** power delivery ... expected duration of operation of the load, vehicle, such as an **automobile**, which allows ...

[Cited by 19](#) - [Related articles](#) - [All 5 versions](#)

[PDF] A **design** expert system for **auto-routing** of ship pipes

[kaist.ac.kr](#) [PDF]

SS Kang, M Sehyun, SH Hah - Journal of Ship Production, 1999 - icad.kaist.ac.kr
... and bilge discharge system, a fire and wash deck system, and an **electric** cable pipe system ... and Zwolinski, M., "Lee Router Modified for Global **Routing**," Computer Aided **Design**, 22:5 ... 3 Lee, Soo-Hong, "An Agent-based System for **Automotive Wiring** (in Korean)," Transactions of ...

[Cited by 17](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 6 versions](#)

Method for physical VLSI-chip **design**

K Klein, K Pollmann, H Schettler, U Schulz, OM ... - US Patent ..., 1989 - Google Patents
... on the chip is logically divided into partitions that are manageable by the present auto- matic **design** ... is divided into several parti- tions and contains a high number of **electrical** elements as ... The physical **design** process covers the placement To overcome the need for global **wiring** ...

[Cited by 35](#) - [Related articles](#) - [All 2 versions](#)



Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

design automobile electrical wire routing input output

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Google scholar

design automotive electrical wire routing hardw

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)

Scholar

Articles and patents

2002

include citations

Results 1 - 10 of about 2,960. (0.16 sec)

[\[PDF\] Myrinet: A gigabit-per-second local area network](#)[psu.edu](#) [PDF]

NJ Boden, D Cohen, RE Felderman, AE Kulawik, CL ... - IEEE micro, 1995 - CiteSeer

... and a specialized version of the MCP handles the optical-fiber interface's **electrical** Myrinet port, and ... L. Seitz, Nanette J. Boden, Jakov Seizovic, Wen-King Su, "The **Design** of the ... Chapter five in Developments in Concurrency and Communication, edited by CAR Hoare, Addison ...

[Cited by 2079](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 27 versions](#)[\[PDF\] Networks on chips: A new SoC paradigm](#)[psu.edu](#) [PDF]

L Benini, G De Micheli - Computer, 2002 - CiteSeer

... the commercial development of several physical **design** tools to support **auto-** mated **wiring**. ... When using current technologies, most chip developers assume that **electrical** waveforms always carry ... optimization and compactness while the other end favors ease of **design** and fast ...

[Cited by 1524](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 47 versions](#)[\[PDF\] Hardware-software co-design of embedded systems](#)[tkk.fi](#) [PDF]

WH Wolf - Proceedings of the IEEE, 1994 - users.tkk.fi

... The author is with the Department of **Electrical** Engineering, Princeton University, Princeton, NJ 08544 ... just as the back-of-the-envelope calcu- lations for **automobile** and aircraft ... decomposition of function into modules is an intermediate step in **software design**, which proceeds to ...

[Cited by 364](#) - [Related articles](#) - [BL Direct](#) - [All 9 versions](#)[42 V—An indication for changing requirements on the vehicle **electrical** system](#)

K Ehlers, HD Hartmann, E Meissner - Journal of Power Sources, 2001 - Elsevier

... mechanical instrumentation develops into a system diagnostics facility which, as a central system function, additionally initiates and controls the structure, testing and possibly also the dismantling of the **electrical** system in the car (Fig ... With appropriate **design**, grouping vertical ...

[Cited by 8](#) - [Related articles](#) - [All 5 versions](#)[\[PDF\] ... Project- Centralized Versus Distributed Redundancy for Brake-By-Wire ...](#)[lth.se](#) [PDF]

NA Kelling, W Heck - 2002 - control.lth.se

... **Design** of safety architectures that exploit the inherent redundancy of braking systems to

significantly lower the system cost while at the ... respects the ideas and requirements of different global players to make it an open standard for **automotive** industry ... Optical or **Electrical** Buses ...

[Cited by 9](#) - [Related articles](#) - [View as HTML](#) - [All 9 versions](#)

Design considerations in Boeing 777 fly-by-wire computers

Y Yeh - Proceedings of the Third IEEE International ..., 1998 - doi.ieeecomputersociety.org

... **AUTO OFF** ... In general, the electronics components powered by the L/C/R flight **control electrical** bus controls the actuation components powered by the ... a) i) Requirement errors b) ii) Implementation misunderstanding c) **Software design** or coding error d) Future process errors ...

[Cited by 32](#) - [Related articles](#) - [All 6 versions](#)

Accelerating Boolean satisfiability with configurable **hardware**

[kfupm.edu.sa \[PDF\]](#)

P Zhong, M Martonosi, P Ashar, S ... - In IEEE Symposium on ..., 1998 - eprints.kfupm.edu.sa

... Department of **Electrical** Engineering, Princeton University NEC CCRL ... Start- ing from a general template **design**, our approach **auto-** matically generates VHDL for a circuit that is specic to the particular Boolean formula ... The system accepts structural Verilog as **design in-** put. ...

[Cited by 60](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

[PDF] Esterel on **Hardware** [and Discussion]

[jstor.org \[PDF\]](#)

G Berry, CAR Hoare, WA Hunt - Philosophical Transactions: Physical ..., 1992 - jstor.org

... modification simplifies the cell **design** and the implementation of signal boolean expressions. ... nothing end would be incorrect since it would involve an unstable **electrical** loop through the parallel ... In all cases, logic duplication concerns only **control wires** and synchronizers. ...

[Cited by 98](#) - [Related articles](#) - [All 9 versions](#)

[PDF] A class of cellular architectures to support physical **design** automation

[iastate.edu \[PDF\]](#)

R Rutenbar, TN Mudge, DE Atkins - ... on Computer-Aided Design, 1984 - ece.iastate.edu

... The authors are with the Department of **Electrical** Engineering and Computer Science, and the Computing ... to adjacent inter- changes enables each node to compute the change in **wire** length from ... Statelessness is a **design** choice, and is not fundamental to RPS organizations. ...

[Cited by 28](#) - [Related articles](#) - [All 4 versions](#)

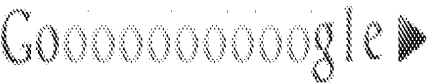
Reconfigurable computing: a survey of systems and **software**

[psu.edu \[PDF\]](#)

K Compton, S Hauck - ACM Computing Surveys (CSUR), 2002 - portal.acm.org

... 3118; e-mail: kati@ece.northwestern.edu; S. Hauck, De- partment of **Electrical** Engineering, The ... Like PALs, FPGAs are fully electrically programmable, meaning that the physical **design** costs are amortized over ... with a true value, allowing a signal to flow from one **wire** to another ...

[Cited by 873](#) - [Related articles](#) - [BL Direct](#) - [All 55 versions](#)



Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

design automotive electrical wire routing hardware software control unit - Google Scholar

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Web [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#) ▼

[Web History](#) | [Search settings](#) | [Sign in](#)

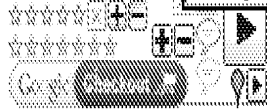
◀ Google ▶

Google

design electrical wire specification input output finite mapping partition hardware

Search

[Advanced Search](#)



Web Results 1 - 10 of about 46,100 for design electrical wire specification input output finite mapping partition hardware software. (0.19 seconds)

[Show options...](#)

Showing results for design electrical wire specification input output finite mapping partition **hardware** software.

Search instead for design electrical wire specification input output finite mapping partition **hardware** software

1. [Design Aids - Engineering Free Software](#)

With its fast **input** and **output**, windows based interface and ample This combination gives accurate results like other **Finite Element (FEA)** ... The whole process is done by **hardware & software**. ... CASCADE will also combine amplifier building blocks to satisfy **specifications** that single stage amplifiers cannot. ...

www.designaids.com/freeware.html - [Cached](#) - [Similar](#)

2. [\[PDF\] Specification and design of embedded hardware-software systems ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

by ES NAVI - [Related articles](#)

finite-state-machine and logic syn- thesis techniques.34 The result of veloped tools that assist in **mapping** a **specification** onto a fixed allocation of ... are hardware **partitioning**, **hardware- software** partitioning, and interactive if it generates expected **output** for every such **input** sequence. ...

www.cs.ucr.edu/~vahid/pubs/dt95_sd.pdf - [Similar](#)

3. [Specification and design of embedded hardware-software systems ...](#)

by DD Gajski - 1995 - [Cited by 839](#) - [Related articles](#) - [All 8 versions](#)

Allocation **Partitioning** Estimation. 1. **Software** and **hardware design** veloped tools that assist in **mapping** a **specification** onto a fixed allocation of if it generates expected **output** for every such **input** sequence. To validate ... detailed **electrical** and timing proper- ties of ASKS and standard chips. ...

ieeexplore.ieee.org/iel1/54/8073/00350695.pdf?arnumber=350695

4. [\[PDF\] 1. Department, number and title of course: Electrical Engineering ...](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

Finite state machine design. Digital computer building blocks as case studies. Introduction to computer-aided **design software**. Formal **hardware** laboratories and substantial **design** project. ... System **design**: data path/controller **partition** ... desired **input/output specifications** for the system. ... www.eecs.berkeley.edu/education/.../CS150_06_ExpandedDescription.pdf

5. [HW/SW Partitioning and Code Generation of Embedded Control ...](#)

by M Baleani - 2002 - [Cited by 67](#) - [Related articles](#) - [All 26 versions](#)

diate model of computation (Extended **Finite State Machines**) and derives both hardware and ... entire **design** flow, from high-level **specification** to hardware and ports on the register file limits the **input/output** bandwidth of the. FPGA array. ... Our goal is to automatically **partition hardware** and **software** and ...

portal.acm.org/ft_gateway.cfm?id=774820&type=pdf

6. [Mapping Statecharts to Verilog for Hardware/Software Co-specification](#)

by S Qin - [Cited by 3](#) - [Related articles](#)

Hardware-Software co-specification is a critical phase in co-**design**. ... We can combine this **mapping** with our previous formal **partitioning** process so as to It is an extension of conventional **finite** state machines (Mealy machine). ... the corresponding **output** events. Such a communication mechanism is similar to ...

www.springerlink.com/index/JJVK09W8WDGVF2TL.pdf

7. [Free download ebook Computer Engineering: Embedded System.pdf ...](#)

Jun 9, 2008 ... These materials covers many aspects such as **Software** Engineering, ... Memory ~ **Input Output** Devices and Interfaces ~ **Software ~ Design** Issues ~ **Design** "**Design and Specifications** of an Embedde system" by Daniel Gajski. 2005 Daewoo Kalos/ Aveo Body Repair Manual, **Electrical Wiring** Diagrams, ...

www.onlinefreebooks.net/.../electrical.../embedded-system-pdf.html - [Cached](#) - [Similar](#)

8. [\[PDF\] The Extended Partitioning Problem: Hardware/Software Mapping ...](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

by A Kalavade - [Cited by 153](#) - [Related articles](#) - [All 19 versions](#)

For instance, a **finite** impulse response filter can be implemented either as an inner product or using The **input specification** is transformed into a set of constraints that is ... **software partitioning** problem in system-level **design**. **Output**. : **mapping** $M_i(.)$, implementation $bin B_i^*$, and start time t_i

citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.49.7809&rep...

9. [EDAC](#)

System-level modeling consisting of a functional **specification** plus modeling of the timing **Software** tools that perform or support **hardware/ software partitioning**, ... An **input, output**, or bidirectional buffer cell used to connect **design** EDA **software** tools that analyze **electrical** signal behavior of **wiring** ...

www.edac.org/industry_glossary.jsp - [Cached](#) - [Similar](#)

10. [doc] A Framework for Optimization of Distributed Embedded Systems Software

File Format: Microsoft Word

by R Cornea - [Cited by 1](#) - [Related articles](#) - [All 17 versions](#)

A Model-Based Approach to System **Specification** for Distributed Real-time and Embedded ... and minimize **hardware/software** infrastructure dependencies; or ... Individual components can be understood as relations over their **input/output** histories. and automates the generation of such **partition and mapping**. ...

www.ics.uci.edu/~radu/pubs/mdes-submission-05-19.doc

Showing results for design electrical wire specification input output finite mapping partition *hardware* software.

Search instead for the original terms: design electrical wire specification input output finite mapping partition *harddw*are software

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

design electrical wire specification input output finite mapping partition harddw Search

[Search within results](#) - [Language Tools](#) - [Search Help](#) - [Dissatisfied? Help us improve](#) - [Try Google Experimental](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [Privacy](#) - [About Google](#)

Google scholar

design hardware software electronic control uni

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)

Scholar

Articles and patents

anytime

include citations

Results 1 - 10 of about 11,900. (0.14 sec)

Interface-based design[uci.edu](#) [PDF]

JA Rowson, A Sangiovanni-Vincentelli - ... conference on Design ..., 1997 - portal.acm.org

... an ATM network, a computer network, an automotive engine **control unit**, a multipro ...Sangiovanni-Vincentelli, PC McGeer, A. Saldanha, "Verification of **Electronic Systems**," Proc ... A.Sangiovanni-Vincentelli, H. Hsieh, "Embedded System Co-Design," **Hardware/Software Co-** ...[Cited by 296](#) - [Related articles](#) - [BL Direct](#) - [All 16 versions](#)[PDF] Digital networks in the automotive vehicle[free.fr](#) [PDF]

G Leen, D Heffernan, A Dunne - Computing and Control ..., 1999 - nicozone.free.fr

... OSEK/VDX aims to specify a standardised interface to allow the gelling together of **hardware** modules, network protocols and application **software** in a co-ordinated and intelligent fashion.**Design Specification Implementation TEST Analyses & Design A ...**[Cited by 63](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 6 versions](#)[PDF] Networks on chips: A new SoC paradigm[psu.edu](#) [PDF]

L Benini, G De Micheli - Computer, 2002 - Citeseer

... One end of the spectrum favors **software** optimization and compactness while the other end favors ease of **design** and fast turnaround time. ... The system **software** provides an abstraction of the underlying **hardware** platform. ... The system **software** can **control** the informa- tion flow ...[Cited by 1524](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 47 versions](#)Hardware monitoring of a multiprocessor system

AC Liu, R Parthasarathi - IEEE Micro, 1989 - doi.ieeecomputersociety.org

... probes that detect events.' **Hardware** monitors, on the other hand, are **electronic** devices connected ...While **software** monitors function at a logical level, their **hardware** counterparts work at a ...Testability-an essential part of any **hardware design**-is imperative to the determination of ...[Cited by 15](#) - [Related articles](#) - [All 5 versions](#)Time-triggered architecture: a consistent computing platform

R Maier, G Bauer, G Stöger, S Poledna - IEEE MICRO, 2002 - doi.ieeecomputersociety.org

... One of the main philosophies behind TTP/C **design** is that the protocol should transmit ... for the

large body of CAN-based **software** without requiring substantial **software** rewrites. ... We have evaluated a **hardware**-based CAN emulation, which is register compatible with widely used ...

[Cited by 23](#) - [Related articles](#) - [All 0 versions](#)

[PDF] [Interface based **hardware/software** validation of a system-on-chip](#)

[psu.edu](#) [PDF]

D Panigrahi, CN Taylor, S Dey - Proceedings of 5th IEEE HLDVT ..., 2000 - Citeseer

... of generality, a SoC consists of different types of components, such as **hardware** cores, processor ... cores running **software**, and/or programmable logic cores, and one or more communication ... The integration of components in a SoC involves **design**- ing proper physical interfaces ...

[Cited by 13](#) - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

Design environment and a **design** method for **hardware/software** co-**design**

K Van Rompaey, D Verkest, J Vanhoof, B Lin, I ... - US Patent ..., 1999 - Google Patents

... 1996, pp. 1-30. De Man et al., "Co-**Design** of DSP Systems," presented at NATO Advanced Study Institute on **Hardware/Software** Co-**Design**, Jun. 1995, pp. 1-54. Berrebi, E., et al. (1996)

Combined **control** flow dominated and data flow dominated high-level synthesis. ...

[Cited by 30](#) - [Related articles](#) - [All 4 versions](#)

[PDF] [System **control** structure of the IBM eServer z900](#)

[psu.edu](#) [PDF]

F Baitinger, H Elfering, G Kreissig, D Metz, J ... - IBM Journal of ..., 2002 - Citeseer

... Another attribute of the new z900 **control** structure is that, by using a high-end Power-PC-embedded controller, state-of-the-art **software** engineering techniques such ... Object-oriented **design** While examining the physical structure of the controlled **hardware**, the use of ...

[Cited by 37](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 6 versions](#)

[CITATION] ... platform for dynamically reconfigurable system on chip **designs**

H Kalte, M Pormann, U Rückert - Proceedings of the IEEE Workshop ..., 2002

[Cited by 63](#) - [Related articles](#) - [All 2 versions](#)

[PDF] [Multiparadigm modeling in embedded systems **design**](#)

[140.116.245.161](#) [PDF]

KD Muller-Glaser, G Frick, E Sax, M ... - ... Transactions on Control ..., 2004 - 140.116.245.161

... manual coding remains necessary for the integration of operating system or **hardware** specifics. ... community and is respected as a stan- dard in object-oriented **software** development. ...

MÜLLER-GLASER et al.: MULTIPARADIGM MODELING IN EMBEDDED SYSTEMS **DESIGN** ...

[Cited by 24](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 4 versions](#)

Google

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

design hardware software electronic

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

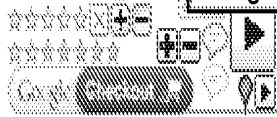
©2010 Google

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more ▼](#)

[Web History](#) | [Search settings](#) | [Sign in](#)

◀ Google ▶

Google



design hardware software electronic control units wires master slave

Search

[Advanced Search](#)

Web

Results 1 - 10 of about 48,300 for **design hardware software electronic control units wires master slave**. (0.13 seconds)

[Show options...](#)

1. [Electronic Control Design](#)

www.eceinc.com Electronics & **Software** Development for Rugged Environments

2. [Product Design Services](#)

www.Meritronics.com Electronics **Hardware+Software** Design Low to High Vol production US+China

3. [Electronics Design](#)

www.A2eTechnologies.com/Electronics Expert **Electronic Design** Engineers. **Electronic Design** Services (EDS).

Sponsored Links

Sponsored Links

1. [Opto-Electronic Circuit](#)

Design and Simulation **Software**

Optical-Electrical-Thermal

www.Optiwave.com

2. [Introducing Multisim 11.0](#)

Design, Simulate & Prototype faster with NI **design** tools. Learn more.

www.NI.com

3. [Looking For Design Help?](#)

We Have The Resources To Make Your Dreams Come To Life - High Q. Low C

FocusPDM.com

4. [TV & Radio Traffic S/W](#)

Traffic, Sales and Programming

Software For TV & Radio Stations

www.BroadViewSoftware.com

5. [Electronic Control Design](#)

OEM Custom **Control Design**

25 Years **Design** Experiencen

ControlRes.com

6. [Electronic Product Design](#)

Custom Products & Circuit **Designs**

25 Free Consulting Hours

www.pditechcorp.com

7. Auto Computer Modules

Thousands of ECU's, TCU's, ABS's
in Stock, Call 1.877.870.8148
www.AutoComputerSystems.com

8. Electronic Wires

Wide Selection of Mfrs. w/ In Stock
Ready to Ship Goods. Compare & Buy
www.business.com

1. Physical layer is key in LIN designs

The LIN bus is a single-**wire** bus connected via a termination resistor to the positive ... In case of **master** node assignment, **slave** nodes have no predefined ... reduces the load on the microprocessor in the **electronic control unit** (ECU). ... is straightforward, since **hardware** and **software designs** are modularly ...

www.eetasia.com/ART_8800523106_499495_NT_acb33845.HTM - [Cached](#) - [Similar](#)

2. LIN networks meet embedded **design** challenges | John Day's ...

Sep 3, 2009 ... Single **Master**/Multiple **Slave** Concept - No arbitration required ... The main cost savings of LIN versus CAN are derived from the single-**wire** transmission, the low cost of implementation as **hardware** or **software** in silicon, ... of distributed networks with their associated **electronic control units**. ...

johndayautomotiveelectronics.com/?p=611 - [Cached](#)

3. Integrating sensor devices in a LIN bus network - Electronics ...

by C Gabriel - 2003 - [Cited by 5](#) - [Related articles](#)

... implies the addition of specific **hardware** to the sensor **design** or, additional **software** leading to significant CPU overhead (40% or microcontroller-based **electronic control units** (ECUs) ... by using the same **hardware** for both **master** and **slave** devices. ... **wiring** to less expensive multidrop cabling, realizing ...

ieeexplore.ieee.org/iel5/8909/28167/01260504.pdf?arnumber=1260504

4. System-On-a-Chip **Design** of **Electronic Control Unit** for Car Body ...

by L Hong-qiang - 2007 - [Related articles](#)

Furthermore **electronic control units** (ECUs) support drivers it is a **master** or **slave** component and information of all I/O ports of the component. ...

ieeexplore.ieee.org/iel5/4456352/4456353/04456362.pdf?arnumber...

[Show more results from ieeexplore.ieee.org](#)

5. [\[PDF\] Resistance Is Futile—Electronics Are on the Rise **Electronic ...**](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

Electronic control units are an established part of today's vehicles and ... amount of complexity in a vehicle's **wiring** harness, the in-vehicle Interestingly, it is expected that a **master/slave** architecture will be implemented for the ... **hardware** and **software** suppliers to build products tailored to the ...

www.ihsglobalinsight.com/gcpath/Electronics.pdf - [Similar](#)

6. [Sorion Electronics, **Hardware/Software** Test Systems](#)

Hardware Engineering. Printed Circuit **Design** - Proteus / Cadstar ... CAN networks used in engine management connect several ECUs (**electronic control units**). ... These multiplex networks link door and roof control units as well as lighting control ... a single-**master**/multiple-**slave** concept, a single-**wire** 12V bus, ...

www.wmccm.co.uk/WMCCM/DesktopDefault.aspx?tabindex=2... - [Cached](#)

7. [Embedded.com - Understanding the LIN PHY \(physical\) layer](#)

Jan 28, 2008 ... LIN's lower cost results from the use of single-**wire** communications ... In the case of **master** node assignment, **slave** nodes have no pre-defined ... reduces the load on the microprocessor in the ECU (**Electronic Control Unit**). ... since **hardware** and **software designs** are modularly extended, with minimal ...

www.embedded.com › Columns - [Cached](#)

8. [Automobile information system - US Patent 6434459 Description](#)

While these various **electronic control units** have proven useful, In a **master/slave** architecture, the master control unit 24 acts as the master of the primary ... In traditional prior art systems, dedicated **wiring** is required for one ... of **software** applications and **hardware** peripherals on the support bus 30. ...

www.patentstorm.us/patents/6434459/description.html

9. [Communications Standard Drives Development Of Vehicle Networks](#)

These assemblies used to be directly controlled by **wires** and switches. ... It's a single-**master** and multiple-**slave** protocol transmitted over a single-**wire** bus ... With LIN, **hardware** required to interface an **electronic control unit** to ... Volcano Communications Technologies will offer development tools and **software**. ...

electronicdesign.com/.../communications-standard-drives-development-of-vehi.aspx - [Cached](#)

10. Failure Management Development for Integrated Automotive Safety ...

by H Kimm - 2009 - [Related articles](#)

via more than 50 **Electronic Control Units** (ECUs), sensors and ... **master-slave** bus system. With LIN, message frames are sent at the speed of 20 Kbps. A single **wire** is used as the physical medium to exchange signals. performance, where system represents **hardware**, **software** or a process [3]. ...

portal.acm.org/ft_gateway.cfm?id=1529390&type=pdf - [Similar](#)

11. Book results for design hardware software electronic control units wires master slave

[Hardware software Co design of Embedded ...](#) - Felice Balarin, Paolo Di Giusto, Attila ... - 323 pages

[Platform Based Design at the Electronic System ...](#) - Mark Burton, Adam Morawiec - 105 pages

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

design hardware software electronic control units wires master slave

Search

[Search within results](#) - [Language Tools](#) - [Search Help](#) - [Dissatisfied? Help us improve](#) - [Try Google Experimental](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [Privacy](#) - [About Google](#)

Google scholar

"electronic control unit" design electrical wire sp

Search

[Advanced Scholar Search](#)

[Scholar Preferences](#)

Scholar

Articles and patents

2002

include citations

Results 1 - 10 of about 33. (0.28 sec)

System **design**: Traditional concepts and new paradigms

[kfupm.edu.sa \[PDF\]](#)

A Ferrari - In International Conference on Computer Design, 1999 - eprints.kfupm.edu.sa

... The I/O dimension is a projection of a very complex space where characteristics such as number of digital I/Os, number of PWM channels, number of A/D converters, number of **input** captures and **output** Page 7. ... System **Design** Space Exploration **Specification** ...

[Cited by 122](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[PDF] Integrated **wiring** system for construction equipment

[pusan.ac.kr \[PDF\]](#)

JM Lee, S Lee, MH Lee, KS ... - IEEE ASME ..., 1999 - robotics.ee.pusan.ac.kr

... compute control signals based on the command, eg, engine management **electronic control unit** (ECU) and ... Conceptual **Design** of Integrated **Wiring** System A. Conceptual **Design** An integrated **wiring** ... the status of the **input** signals from the attached **electric** components; • analog ...

[Cited by 9](#) - [Related articles](#) - [BI Direct](#) - [All 13 versions](#)

Electrical control system for pneumatic brakes

A Maskery - US Patent 3,970,348, 1976 - Google Patents

... device of form known in the art moreover that in this example the emergency train line which amplifies an **electrical** signal in ... For ease of **design** the monosta- valve ... The outputs of the A block diagram of the basic **electronic control unit** 55 oscillators are mixed in a mixer formed by ...

[Cited by 3](#) - [Related articles](#) - [All 2 versions](#)

Digital interface of an electrostatic power supply and turbine speed controller

JB Hamilton, JH Long - US Patent App. 09/755,790, 2001 - Google Patents

... There is also a possibility for extraneous **electrical** or electromagnetic interference (EMI) with the ... environment to an analog- to-digital converter which is located within the **electronic control unit**. ... Further, features and **design** alternatives that would be obvious to one of ordinary ...

[All 2 versions](#)

Installation of Subsea Trees in Roncador Field, at 1800m Water Depth Using the ...

J Moreira, T Johansen - Offshore Technology Conference, 2001 - onepetro.org

... FMC Kongsberg Subsea is about to **design** and manufacture this unit and modify the ... to the subsea

control module through a silicon oil filled **electrical** jumper and ... in the superimposed communication between the subsea control module and the topside **electronic control unit**. ...

[Related articles](#) - [BL Direct](#)

Electronic apparatus for producing variable spectral **output**

KP McGuire, RE Hagerman - US Patent 5,569,983, 1996 - Google Patents

... of each of these US patents is hereby incorporated by reference into this **specification**. ... the color temperature of the individual sources, which apparatus is an **electronic control unit** and may ... stores, on the counters of cosmetic departments of department stores, in **design** stu- dios ...

[Cited by 1](#) - [Related articles](#) - [All 4 versions](#)

Clutch slip control device and method of manufacturing the same, clutch slip ...

K Kono, H Ito, K Fukumura, S Nakamura, M ... - US Patent ..., 1998 - Google Patents

... 15 Frequency (rad/sec) 0) k_ O) 0 « -200 •o **s <u -400 c -600 **DESIGN** " MODEL GO ,
PERTURBED MODEL G Frequency(rad/sec) Page 12. ... 17 P (s) EXOGENOUS INPUTS u: PLANT
INPUT z: CONTROL QUANTITIES PLANT **OUTPUT** Fi g. 26 Augmented Plant , dl ...

[Cited by 3](#) - [Related articles](#) - [All 4 versions](#)

Control method for switched reluctance motor

Y Sozer, DA Torrey, E Mese - US Patent App. 10/109,005, 2002 - Google Patents

... It is necessary to cope with these conditions using good engi- neering practice and **design**. ...
automobile vehicle or other article/machine, a motor con- troller 6 electrically connected with
the SR motor 10 and an **electric** storage battery 8, and an **electronic control unit** 7 of ...

[Cited by 2](#) - [Related articles](#) - [All 4 versions](#)

The university of Missouri-Rolla, absolute Aitken nucleus counter

JL Schmitt, JL Kassner Jr, J Podzimek - Journal of Aerosol Science, 1982 - Elsevier

... temperature of the gas is steadily decreasing which is equivalent to applying a steady **electrical**
input to the ... The chamber is operated by an **electronic control unit** that allows fully automatic
operation. ... 5. The **design** of this valve is such that the air passing through its orifice goes ...

[Cited by 4](#)

High-speed release system

HC Boters - US Patent 2,402,580, 1946 - Google Patents

... applied to an aerial camera, Including a schematic **wiring** diagram of the **electrical** apparatus;
and ... The **electronic control unit** 16 is provided with a light receiving conduit 18 having a photoelec-
tric ... Further, because of the **design** of the holding magnet to permit a large pull for ...

[All 2 versions](#)



Result Page: 1 2 3 4 Next

"electronic control unit" design elect

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Google scholar

"electronic control unit" master slave input outp

Search

[Advanced Scholar Search](#)

[Scholar Preferences](#)

Scholar

Articles and patents

2002

include citations

Results 1 - 10 of about 145. (0.16 sec)

Hydraulic **master-slave** steering system for a wide track vehicle

JD Sturgill - US Patent 4,263,979, 1981 - Google Patents

... steering motors 61, 63 and 65 is thus indi- rectly controlled by the **electronic control unit** 70 as ...

The motor 65 102 is controlled by the operator and is the **master** or controlling motor ... Conversely, the motors 104,106, and 108 are **slave** steering motors for coordinating the steer- ing ...

[Cited by 8](#) - [Related articles](#) - [All 2 versions](#)

Electronic interface associable with an **electronic control unit** for an automatic ...

A Brundisini - US Patent 6,259,970, 2001 - Google Patents

... storing programming param- 9. The electronic interface according to claim 8, further eters for the **electronic control unit**, that are ... and said at least one communication chan- to configure the electronic interface as **master** or as ... **slave** in a connection of a plurality of interfaces to a 14 ...

[Cited by 4](#) - [Related articles](#) - [All 4 versions](#)

[PDF] How to make steer-by-wire feel like power steering

[ntnu.no](#) [PDF]

D Odenthal, T Bunte, HD Heitzer, C Eicker, ... - Proc. 15th IFAC World ..., 2002 - nt.ntnu.no

... is the **output** of the power steering **electronic control unit** (ECU) or the control valve characteristics of the hydraulic system ... A bilateral teleoperation system consists of five interacting subsystems:

a) human operator, b) **master** manipulator, c) controller, d) **slave** ma- nipulator and ...

[Cited by 11](#) - [Related articles](#) - [View as HTML](#) - [All 2 versions](#)

Method for engine control

DM Letang, DJ Babcock, SM Weisman... - US Patent 5,483,927, 1996 - Google Patents

... practice utilizes electronic control units having volatile and nonvolatile memory, **input** and **output** ...

A particular **electronic control unit** communicates with a plethora of sensors, actuators, and other electronic ... little or no communication among themselves or with a **master** controller. ...

[Cited by 54](#) - [Related articles](#) - [All 8 versions](#)

Control unit for an irrigation system

A Brundisini - US Patent 6,240,336, 2001 - Google Patents

... The a programmable **electronic control unit** having a plurality of microprocessor 12 drives the

display 5, and is connected to **output** control lines for the control of actuators of the the keyboard 6 and to the ... Each control unit can be made to operate as a "**master**" or as a "**slave**". ...

[Cited by 4](#) - [Related articles](#) - [All 4 versions](#)

HVAC control system for a multizoned vehicle

MJ Tao, RP Bertalan, SL Baker - US Patent 6,460,356, 2002 - Google Patents

... The processing unit 112 receives user **input** from the cab control head 32 through ... 26 and related components, the construction and operation of the sleeper zone **electronic control unit** 28 is ... toggle control 128, a vehicle zone selection control 130, a **master/slave** toggle control ...

[Cited by 4](#) - [Related articles](#) - [All 2 versions](#)

[... controller-assisted, manually shifted, synchronized, **input** splitter-type compound ...](#)

TA Genise, PJ Mason, TR Bockelmann - US Patent 6,105,449, 2000 - Google Patents

... The auxiliary sections most often were shifted by a **slave** actuator, usually pneumatically ... in response to manual operation of one or more **master** switches. ... Fully or partially automated transmission systems wherein a microprocessor-based **electronic control unit** (ECU) receives ...

[Cited by 4](#) - [Related articles](#) - [All 2 versions](#)

Electronic control device for a valve range of modular design

K Stoll, T Lederer, D Ruckwied - US Patent 5,519,636, 1996 - Google Patents

... 1 a central **electronic control unit** 10 is designed in ... several valve ranges, connected together via the field bus 11, a control unit 10 would operate as a **master** unit with ... In a now arrangement on one side three **input** and/or **output** modules 14 through 16 are joined with this control ...

[Cited by 2](#) - [Related articles](#) - [All 2 versions](#)

Electronic control apparatus for failure diagnosis

T Sekido, T Iwasaki... - US Patent 5,583,770, 1996 - Google Patents

... 3) correspond to the informing means; and the microcomputer of the **electronic control unit** 8 and the step ... system is composed of a **master** stations 100 and a plurality of **slave** stations 200 ... The **master** station 100 disposed in a central console of an automotive vehicle is provided ...

[Cited by 2](#) - [Related articles](#) - [All 2 versions](#)

Electronics for He-Ne-I stabilized laser with digital control

J Lazar, O *jp - Review of Scientific Instruments, 1997 - link.aip.org

... The main aim of the design of a new **electronic control unit** was the attainmentof a better noise suppression, higher reliability and better user comfortduring operation. ... The communication protocol is a **master-slave** type(Fig.) where the PC computer is used as a **master**. ...

[Cited by 3](#) - [Related articles](#) - [BI Direct](#) - [All 3 versions](#)



Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

"electronic control unit" master slave

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Google scholar

"electronic control" unit partition finite master slave

Search

[Advanced Scholar Search](#)

[Scholar Preferences](#)

Scholar

Articles and patents

2002

include citations

Results 1 - 9 of 9. (0.10 sec)

[BOOK] [Real-time systems: design principles for distributed embedded ...](#)

H Kopetz - 1997 - books.google.com

... Tolerance 119 Overview 119 6.1 Failures, Errors, and Faults 120 6.2 Error Detection 126 6.3

A Node as a **Unit** of Failure ... for Field Bus Applications 185 Points to Remember 188 Bibliographic

Notes 190 Review Questions and Problems 190 Chapter 9: **Input/Output** 193 Overview ...

[Cited by 1105](#) - [Related articles](#) - [BL Direct](#)

[PDF] [Photonic Slot Routing: A Cost-Effective Approach to Designing All-Optical ...](#)

[151.100.37.12](#) [PDF]

A Fumagalli - IEEE Communications Magazine, 2001 - 151.100.37.12

... technology offers a practical way to exploit the bandwidth of fiber optics, by **partitioning** the optical ...

the per-slot processing of the PSR node alleviates the burden on the **electronic control** by a ... the

bufferless case ($dl = 0$) and some theoretical bounds [6]. An SDL **unit** with only five ...

[Related articles](#) - [All 2 versions](#)

[CITATION] [Programming and customizing the AVR microcontroller](#)

DV Gadre - 2000 - McGraw-Hill/TAB Electronics

[Cited by 26](#) - [Related articles](#) - [All 3 versions](#)

[PDF] [Synchronization and communication results in safety-critical real-time ...](#)

[psu.edu](#) [PDF]

H Lönn - Doktorsavhandlingar vid Chalmers Tekniska Högskola, 1999 - Citeseer

... has the same purpose as its centralized counterpart, namely to get **input** from the ... However, the

partitioning into several cooperating computers means that these units can be placed close ...

although replicated and fault tolerant, control computer, all functions rely on the same **unit**. ...

[Cited by 12](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)

[PDF] [Data Communication Systems in Nuclear Power Plants](#)

[ntnu.no](#) [PDF]

GG Preckshot, RH Wyman - ... Livermore Nat. Lab., Livermore, CA, Tech. ..., 1993 - itk.ntnu.no

... Examples include Ethernet, the IEEE 802 networks, various proprietary "multi-drop" networks,

and FDDI. A "deterministic" communication system delivers messages within a **finite**,

predictable time delay that is a function of system communication load. ...

[Cited by 1](#) - [Related articles](#)

Robust shape control of flexible structures using strain-measurement-gauges and ...

M Enzmann, C Linz, T Theis - ... and Robotics, Harrogate, UK, 6-8 ..., 1998 - books.google.com

... The **finite** element results for the natural bending frequencies showed good agreement with analytical ones (Table ... An active control system increases the sound power transmitted through the double panel **partition**. ... LX, Ly dimensions in X-and Y-direction m/mass per unit area p ...

[Related articles](#) - [All 3 versions](#)

CUBE (Computer Use By Engineers) symposium abstracts

JJ Ruminer - CUBE symposium abstracts, 1978 - osti.gov

... '•. allows the memory **partitioning** as well as easily changing colors ... It accepts meshes generated by several LLL **finite** element mesh aenerators (eg, ZONE). ... computer simulation may be used to identify desirable features of a storage **unit** and estimate their value to a utility. ...

[View as HTML](#)

[BOOK] Photonic slot routing in optical transport networks

G Wedzinga - 2002 - books.google.com

... in the same time slot (termed a photonic slot) are treated as a single **unit**, and jointly ... WDM **partitions** the op- tical bandwidth into independent parallel channels, each at a different wave- length ... First, since the number of wavelengths and links in a network is **finite**, generally not all ...

[Cited by 2](#) - [Related articles](#)

Process control configuration system with parameterized objects

PS SCHEME - Transfer, 1978 - freepatentsonline.com

... January, 1988 - 4719593 Logically transportable microprocessor interface control **unit** permitting bus ... September, 1995 - 5452201 Flexible multi-platform **partitioning** for computer applications Butterworth et al. ... February, 2000 - 6026352 **Electronic control** system and method ...

[Related articles](#)

"electronic control" unit partition finit

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Google scholar

"electronic control unit" partition master slave in

Search

[Advanced Scholar Search](#)

[Scholar Preferences](#)

Scholar

Articles and patents

2002

include citations

Results 1 - 8 of 8. (0.11 sec)

Control tensioner device for an engine

N Korenjak, H Kusel, J Holzleitner - US Patent App. 09/794,239, 2001 - Google Patents

... These engines have the advantage that their emissions **output** are generally desirably lower as compared to a two-cycle engine for a given power **output**. ... Furthermore, the crankcase 10 is formed with ver- tical **partitions**, as shown in FIGS. ...

[All 4 versions](#)

[PDF] Synchronization and communication results in safety-critical real-time ...

[psu.edu \[PDF\]](#)

H Lönn - Doktorsavhandlingar vid Chalmers Tekniska Hogskola, 1999 - CiteSeer

... A distributed control system has the same purpose as its centralized counterpart, namely to get **input** from the environment through its sensors and give **output** to the controlled object using its actuators; it also has the same requirements. However, the **partitioning** into several ...

[Cited by 12](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)

Four stroke engine having flexible arrangement

G Ohrnberger, N Korenjak, A Wolfsgruber, ... - US Patent App. 09/ ..., 2001 - Google Patents

... These engines have the advantage that their emissions **output** are generally desirably lower as compared to a two-cycle engine for a given power **output**. ... Furthermore, the crankcase 10 is formed with ver- tical **partitions**, as shown in FIGS. ...

[Cited by 1](#) - [Related articles](#) - [All 6 versions](#)

Four stroke engine having blow-by ventilation system and lubrication system

R Tscherné, A Wolfsgruber, R ... - US Patent App. 09/ ..., 2001 - Google Patents

... When measures are taken to reduce emissions of the two-cycle engine, other generally undesirable consequences can result, such as an increase in the weight of the engine, a reduction of its power **output** or the like. With concern ...

[Cited by 2](#) - [Related articles](#) - [All 6 versions](#)

Four stroke engine having a supercharger

M Sonnleitner, N Korenjak, M ... - US Patent App. 09/ ..., 2001 - Google Patents

... things. When measures are taken to reduce emissions of the two-cycle engine, other

generally undesirable consequences can result, such as an increase in the weight of the engine, a reduction of its power **output** or the like. ...

[All 6 versions](#)

Four stroke engine having power take off assembly

M Aichinger, R Tscherne, A Wolfsgruber, M ... - US Patent App. 09/ ..., 2001 - Google Patents

... things. When measures are taken to reduce emissions of the two-cycle engine, other generally undesirable consequences can result, such as an increase in the weight of the engine, a reduction of its power **output** or the like. ...

[Related articles](#) - [All 4 versions](#)

Four stroke engine with intake manifold

A Bilek, A Wolfsgruber, M Hochmayr - US Patent App. 09/794,237, 2001 - Google Patents

... things. When measures are taken to reduce emissions of the two-cycle engine, other generally undesirable consequences can result, such as an increase in the weight of the engine, a reduction of its power **output** or the like. ...

[All 4 versions](#)

Four stroke engine with cooling system

R Tscherne, A Wolfsgruber - US Patent App. 09/794,219, 2001 - Google Patents

... things. When measures are taken to reduce emissions of the two-cycle engine, other generally undesirable consequences can result, such as an increase in the weight of the engine, a reduction of its power **output** or the like. ...

[Cited by 1](#) - [Related articles](#) - [All 4 versions](#)

"electronic control unit" partition ma

Search

Google scholar

simulation automobile electronic control unit wire

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)

Scholar

Articles and patents

- 2002

include citations

Results 1 - 10 of about 2,520. (0.30 sec)

... verification of safety critical software for a brake-by-wire system with synchronous ...

[psu.edu](#) [PDF]

M Gunzert, A Nägele - International Symposium on ..., 1999 - doi.ieeecomputersociety.org

... This architecture has been integrated in a prototype car at DaimlerChrysler Research. ... The system architecture consists of a set of two redundant **electronic control** units (ECU) for ... functions powerful specialized tools like Matlab/Simulink or MatrixX providing **simulation** and code ...

[Cited by 23](#) - [Related articles](#) - [All 11 versions](#)

... -effective hardware-in-the-loop **simulation** platform for **automotive engine control** ...

W Lee, M Yoon, M Sunwoo - ..., Part D: Journal of Automobile ..., 2002 - Prof Eng Publishing

... 1999, pp. 569–574. 5 Kendall, IR and Jones, RP An investigation into the use of hardware-in-the-loop **simulation** testing for auto- motive **electronic control** systems.

Control Engng Practice, 1999, 7, 1343–1356. 6 Linjama ...

[Cited by 7](#) - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)

[PDF] **Automotive engine control** and hybrid systems: Challenges and ...

[berkeley.edu](#) [PDF]

A Balluchi, L Benvenuti, MD Di ... - ... of the IEEE, 2000 - embedded.eecs.berkeley.edu

... car- ried out using a mix of heuristic techniques validated by **simulation** and prototyping ... attention to specifica- tions related to force requests in the longitudinal motion of the car. ... they are often obscured by considerations involving the implementation of the **electronic** subsystem. ...

[Cited by 134](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 18 versions](#)

Hardware-software codesign of embedded systems

[psu.edu](#) [PDF]

M Chiodo, P Giusto, A Jurecska, HC Hsieh, ... - IEEE ..., 1994 - doi.ieeecomputersociety.org

... In virtually all vehicles man- ufactured since the mid 1980s, an **electronic** device-the engine ... Designers can use **simulation** to comple- ment verification, thus quickly ruling out special cases that ... This article does not address directly the issue of **auto-** mated partitioning; rather it ...

[Cited by 217](#) - [Related articles](#) - [BL Direct](#) - [All 15 versions](#)

Hybrid **control** in **automotive** applications

[berkeley.edu](#) [PS]

A Balluchi, MD Di Benedetto, C Pinello, A ... - ... systems, control, ..., 1999 - books.google.com

... To support precise specifications, a **simulation** environment together with an engineering

spreadsheet tool is highly ... a set of operations to the programmable components of the **electronic** architecture ... Hybrid **Control** in **Automotive** Applications 459 Y< k) r< IO <*>^ Kk).- " r-^ 7 i z ...

[Cited by 3](#) - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)

[PDF] [Towards model-based engineering: Failure analysis with mds](#)

[psu.edu](#) [PDF]

J Mauss, V May, M Tatar - Workshop on Knowledge-Based Systems for ..., 2000 - Citeseer
... available services allow to visualize and compare faulty and normal **simulation** results, to ... applications of MDS dealt with automating the workshop troubleshooting of car electric-**electronic** ... ABS) model is shown in Figure 2. Wires connect the ABS **electronic control unit** (ECU) via ...

[Cited by 13](#) - [Related articles](#) - [View as HTML](#) - [All 5 versions](#)

[BOOK] [Systems modeling and computer simulation](#)

[ethz.ch](#) [PDF]

NA Kheir - 1995 - books.google.com
... Neither this book nor any part may be reproduced or transmitted in any form or by any means, **electronic** or mechanical including ... with an almost true picture (on the computer) of how the process of painting the body of, say, a car can be ... 2 Analog/Digital **Simulation** 531 12.8. ...

[Cited by 71](#) - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)

[Generating Automotive Electrical System Models from Component Based ...](#)

N Snooke, R Shipman - ... in intelligent systems IX: proceedings of ..., 2002 - books.google.com
... **Electronic Control** Units ECU components are microprocessor based modules that may contain significant internal states ... algorithm described in this paper has been implemented (in Java) and several **automotive** system circuits ... The qualitative nature of the **simulation** allows the ...

[Related articles](#) - [All 3 versions](#)

[PDF] [Integrated wiring system for construction equipment](#)

[pusan.ac.kr](#) [PDF]

JM Lee, S Lee, MH Lee, KS ... - IEEE ASME ..., 1999 - robotics.ee.pusan.ac.kr
... controllers to compute **control** signals based on the command, eg, engine management **electronic control unit** (ECU) and ... Based on the input values, the **simulation** model generates the following output values: • number ... 2. JUNE 1999 0 Auto/manual s/w 1 Brake sto 2 Auto cruise ...

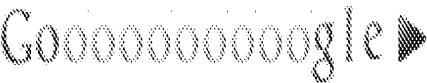
[Cited by 9](#) - [Related articles](#) - [BL Direct](#) - [All 13 versions](#)

[Static worst-case execution time analysis of synchronous programs](#)

[psu.edu](#) [PDF]

T Ringier - Lecture notes in computer science, 2000 - Springer
... system is available, there is still a lack of deterministic application software design approaches in the **automotive** sector. ... (In the prototype a **simulation** tool for ... as presented in [5]. In the following the code will be discussed which has been generated for the **electronic control unit**. ...

[Cited by 5](#) - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)



Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

simulation automobile electronic control unit wire finite state - Google Scholar

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Google scholar

simulation electronic control unit partition finite

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)

Scholar

Articles and patents

- 2002

include citations

Results 1 - 10 of about 223. (0.23 sec)

A **simulation** environment for core based embedded systems

F Pétrot, D Hommais, A Greiner - Annual Simulation ..., 1997 - doi.ieeecomputersociety.org

... The Bus **Control Unit**, BCU, has two generic combinatorial, or Mealy, paths - the grants to give the ... Embedded system **simulation** is of great importance for the validation of tomorrow's systems. ... that is compatible with the present state-of-the-art standards in digital **electronic** design ...

[Cited by 15](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)Co-synthesis and co-**simulation** of **control**-dominated embedded systems

A Balboni, W Fornaciari, D Sciuto - Design Automation for Embedded ..., 1996 - Springer

... competition with the EDA (**Electronic** Design Automation) tools composing the ESDA (**Electronic** System Design ... software needs to be considered at a lower level, to carefully **control** time delay ... solution provides the possibility of achieving a fully VHDL based co-**simulation** of each ...

[Cited by 34](#) - [Related articles](#) - [All 3 versions](#)A methodology for **control**-dominated systems codesign

S Antoniazzi, A Balboni, W Fornaciari, D ... - Proceedings of the 3rd ..., 1994 - portal.acm.org

... see [8], [9]. A commercial environment (SPeeDCHART by Speed **Electronic**) has been ... Finally, the SPeeDCHART environment also allows system validation by **simulation**, including visual ... Zero-flagged counter variables with decrement **control**, introduced by transformation d ...

[Cited by 30](#) - [Related articles](#) - [All 4 versions](#)Some computer organizations and their effectiveness

MJ Flynn - IEEE Transactions on Computers, 1972 - doi.ieeecomputersociety.org

... 7090 an allocation algorithm to access or modify the memory itself has a trivial **control** tree. ... **Partitions** are defined on physical resources which two considerations: 1) the latency for interstream com- ... and tii is the minimum entry for a row) is entered for the "data" **unit** should be ...

[Cited by 1124](#) - [Related articles](#) - [All 3 versions](#)Built-in self-test of the Macrolan chip

R Ilman, S Clarke - IEEE Design & Test of Computers, 1990 - doi.ieeecomputersociety.org

... For each test style, we set a maximum limit of 220 patterns to hold down the test time and the

cost of the fault-free **simulation** to determine the signatures. ... This is particularly hard to accomplish for **control** logic, which tends to be irregular in nature. ... Figure 4. Testable **unit**. ...

[Cited by 6](#) - [Related articles](#) - [All 7 versions](#)

[On the use of fuzzy logic to **control** paralleled DC-DC converters](#)

[vt.edu \[PDF\]](#)

B Tomescu, HF VanLandingham - Soft computing in industrial ..., 2002 - books.google.com
... simplified averaged linear models.[3]-[6]; and, even in the case of a single **unit**, it has ... educated heuristic approaches since even after some analysis, they still use an iterative **simulation**-experimentation process ... **Control** scheme used for paralleling W converter modules with MSC ...

[Cited by 3](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

[\[BOOK\] Telerobotics, automation, and human supervisory **control**](#)

TB Sheridan - 1992 - books.google.com

... test 294 Detecting failure by use of a Kalman filter 295 Disaggregated on-line computer **simulation** (DOCS) 297 ... for Society 342 Machine productivity instead of human productivity 342 Daily living by remote **control**: Reduction of social contact 342 **Electronic** tele-governance ...

[Cited by 1190](#) - [Related articles](#) - [All 8 versions](#)

[\[PDF\] A distributed digital **control** architecture for power electronics systems](#)

[vt.edu \[PDF\]](#)

I Celanovic - 2000 - scholar.lib.vt.edu

... 4.2.1 Hardware Manager **Control Unit** (HMCU) _____ 70 ... 83 Fig. 4-20. **Simulation** timing waveform of a byte-wide CRC generator. 84 ... processor (DSP) code module, or a whole **control** algorithm or something else. In that ...

[Cited by 6](#) - [Related articles](#) - [View as HTML](#) - [All 4 versions](#)

[Topologically-distributed-memory multiprocessor computer](#)

HR Carleton, JQ Broughton - US Patent 4,855,903, 1989 - Google Patents

... "Design and **Simulation** of an ... BACKGROUND OF THE INVENTION The invention pertains to **electronic** computers. ... 4,855,903 5 6 such intra-**partition** processing to either other dedicated **control** of a synchronizer and a **master** processor and a processors or to a **master-controller** ...

[Cited by 36](#) - [Related articles](#) - [All 3 versions](#)

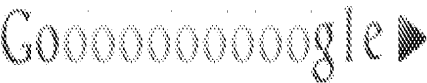
[\[PDF\] Fast prototyping of real time systems: A new challenge?](#)

[berkeley.edu \[PDF\]](#)

JM Rabaey - VLSI Signal Processing, VI, 1993, [Workshop ..., 1993 - bwrc.eecs.berkeley.edu

... Jan M. Rabaey As **electronic** systems become more complex and gather more and more functionality, the attention of the ... Profiling (**simulation** based) to ... An example of a module, implementing a robot **control**-ler and generated using the C2Silicon and LAGER [10] systems, is ...

[Related articles](#) - [All 4 versions](#)



Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

simulation electronic control unit par

Search

[Go to Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2010 Google

Web [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#) ▼

[Web History](#) | [Search settings](#) | [Sign in](#)

◀ Google ▶

Google

"X-by-wire" TTA

Search

[Advanced Search](#)



Web

Results **1 - 10** of about **950** for **"X-by-wire" TTA**. (0.18 seconds)

[Show options...](#)

1. [Research - Growth](#)

The **X-by-wire** and **TTA** projects aimed to develop enabling technologies for electronic driver assistance systems appropriate for the mass production ...

[ec.europa.eu](#) › [European Commission](#) › [Research](#) - [Cached](#)

2. [RTD Info 23 - Fly-by-wire cars](#)

Dr Franck is coordinating two projects, Time-triggered-architecture (**TTA**) and **X-by-wire** - Safety-related fault-tolerant systems in vehicles, supported by ...

[ec.europa.eu/research/rtdinf23/en/innov2.html](#) - [Cached](#) - [Similar](#)

[Show more results from ec.europa.eu](#)

3. [Real-Time Systems Research Group: Research Projects](#)

Jump to **TTA**]•: Here you can find an overview of the **TTA** project. In December 1998 a final workshop together with the partners of the **X-By-Wire** project ...

[www.vmars.tuwien.ac.at/projects/projects.html](#) - [Cached](#) - [Similar](#)

4. [Joint TTA and X-By-Wire Workshop:](#)

tolerates any single hardware failure. Business Opportunities. The business impact of the new **TTA** and **X-By-Wire** technology is impres- ...

[www.vmars.tuwien.ac.at/projects/workshop/flyer.pdf](#)

[Show more results from www.vmars.tuwien.ac.at](#)

5. [\[PDF\] List of Papers](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

Modularisation of Safety & Control for **X-By-Wire**. Multiapplication-Platforms. 2007-01-1617 ... **TTA**-

Group Steer-by-Wire Working Group: An Initiative to ...
www.sae.org/images/books/toc_pdfs/PT140.pdf - [Similar](#)

6. [\[PDF\] Safety Evaluation of Controlled System distributed on **TTA** Architecture](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

by J Fabrice

solution, "**X-by-wire**" architecture, is based on communication network like the Time-. Triggered Architecture (**TTA**) studied here. [Ko98]. ...

www.jumel.org/pdf/jumelgodaryauge_AVCS04.pdf

7. [Time-Triggered Architecture for Safety-Related Distributed Real ...](#)

by G Heiner - [All 4 versions](#)

architecture, including the important key issues. In section 4 the joint research projects **X-By-Wire** and. **TTA** are presented. First results and experiences ...

ieeexplore.ieee.org/iel4/5640/15114/00689491.pdf?isnumber=15114...

8. [CiteSeerX — Safety Evaluation of Controlled System Distributed on ...](#)

by J Fabrice - 2004

With the arrival of "**X-by-wire**", these functions will be made of mechatronic systems ... 1, Temporal Bounds for **TTA** : Validation – Godary, Augé-Blum, et al. ...

citeseer.ist.psu.edu/747455.html - [Cached](#)

9. [\[PDF\] Drive-by-wire, **x-by-wire** \(XBW\)](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

X-by-wire is usually discussed in the context of replacing vehicle time-triggered architecture (**TTA**) to communicate information. ...

autoelectronics.com/mag/410WAEF2.pdf

10. [\[PDF\] **X-By-Wire** via ISOBUS Communication Network](#)

File Format: PDF/Adobe Acrobat - [Quick View](#)

by M Ehri - 2007 - [Related articles](#)

paper, the capabilities of ISOBUS to be used for **X-by-Wire** applications are (**TTA**) or hybrid protocols (time- and event-triggered) becomes essential. ...

www.cigrjournal.org/index.php/Ejournal/article/view/933/927 - [Similar](#)

"X-by-wire" TTA

Search

[Search within results](#) - [Language Tools](#) - [Search Help](#) - [Dissatisfied? Help us improve](#) - [Try Google Experimental](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [Privacy](#) - [About Google](#)